

ABSTRACT

1 A dynamic end to end retry apparatus and method uses the concept of transaction
2 identification numbers combined with a path number and flow control class to uniquely
3 account for all transactions in a multi-processor computer system. The apparatus and
4 method ensure there are no duplicate transactions through the use of special probe and
5 plunge transactions and their respective responses. The apparatus and method also allow
6 for any number of alternate paths being active simultaneously, such that if one path fails,
7 the remaining alternate paths can continue on the communication (along with the backup
8 alternate path if desired) as usual without any loss of transactions.

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